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Experiment: 7.Perform basic video processing operations on the captured video. Read captured video in python and display the video, in slow motion and in fast motion.

Code:

```
import cv2

p = "video.mp4"

v = cv2.VideoCapture(p)

print("Playing Video in Slow Motion... Press 'q' to stop")

while True:

    r, f = v.read()

    if not r:

        break

    cv2.imshow("Slow Motion Video", f)

    # Slow Motion Delay

    if cv2.waitKey(100) & 0xFF == ord('q'):

        break

v.release()

cv2.destroyAllWindows()

v = cv2.VideoCapture(p)

print("Playing Video in Fast Motion... Press 'q' to stop")

while True:

    r, f = v.read()

    if not r:

        break

    cv2.imshow("Fast Motion Video", f)

    # Fast Motion Delay
```

```
    if cv2.waitKey(5) & 0xFF == ord('q'):

        break

v.release()

cv2.destroyAllWindows()
```

Input and Output:

Slow Motion:

Fast Motion: